Amateur Radio Newsline report number 1419 with a release date of Friday, October 22, 2004 to follow in 5-4-3-2-1.

The following is a Q-S-T. A ham down-under finds a way to evaluate the effect of B-P-L on your station while hams in California keep a hospital in contact with the outside world. Find out the details on Amateur Radio Newsline report number 1419 coming your way right now.

(Billboard Cart Here)

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THE BPL FIGHT: AUSTRALIAN HAM DEVELOPS ON-LINE BPL IMPACT EVALUATION TOOL

A new tool to help hams evaluate the impact of Broadband over Powerline has just been made available on the Internet by an Australian radio amateur. Its based on the work of a European consortium that's trying to set a world standard for B-P-L radiation
limits. Owen Duffy, VK1OD, is the ham who made it happen:

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Current BPL technology works by conduction of signals in the radio frequency spectrum up to about 100 MHz. Existing power lines networks are not ideal RF transmission networks, they will radiate radio frequency energy causing interference to radio communications services, and they will be susceptible to interference from nearby transmitters -- radio or otherwise.

The European Committee for Electrotechnical Standardization, CENELEC, are developing a standard for "Electromagnetic emissions from access powerline communications networks". Access powerline communications networks are commonly termed Broadband over Power Lines or B-P-L.

The proposed CENELEC standard does not automatically apply globally, though countries like Australia draw heavily on international standards, such as CENELEC's for their own jurisdiction.

This proposed standard would set limits for the conducted energy and radiated energy of B-P-L systems. The radiation limit is specified for example as a field strength in dBuA/m in a measurement bandwidth at a specified distance on particular frequency, and its impact will not be immediately apparent to most radio users.

Do you know what the impact of +4dBuA/m in 9KHz at 3m is on your receiver?

The B-P-L Interference Evaluation Tool allows evaluation of the impact of B-P-L interference under the proposed CENELEC standard given a set of location / application specific parameters.

Go to the BPL Interference Evaluation Tool at www.vk1od.net/bpl and enter the details for your site and discover the impact. The URL again is www.vk1od.net/bpl .

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Again, the VK1OD B-P-L Interference Evaluation Tool is on the web at www.vk1od.net/bpl. (WIA News)

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THE BPL FIGHT: FCC RULE CHANGES TO PROMOTE BROADBAND

Back here in the United States, very little attention appears to have been paid to two other FCC actions amid last weeks FCC decision on BPL. But both are designed to help promote different forms of broadband Internet access. This is important because they will be giving Broadband Over Powerline a run for the corporate dollar profit. Amateur Radio Newsline's Bruce Tennant, K6PZW, has more:

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In another vote taken at their October 14th meeting, the FCC loosened restrictions on fiber-optic networks built by local phone companies, encouraging them to make greater investments in so-called "fiber-to-the-curb" and "fiber-to-the-home" networks. According to the Commission, and as reported in a bulletin from C-Q, the ruling will encourage deployment of fiber optic broadband networks capable of delivering advanced data, video and voice service" by local telephone companies.

Prompted by the decision, several big telephone companies said they would move more rapidly to build fiber networks to homes. S-B-C says it now plans to provide 18 million households higher speed Internet services in two to three years, rather than five years as previously announced. . So far, Verizon Communications has been the most active in building residential fiber networks.

And there is more. The day after the BPL vote was taken, the FCC's Wireless Telecommunications Bureau announced a joint effort with the

U.S. Department of Agriculture's Rural Utilities Service. This, to advance the deployment of broadband wireless telecommunications across rural America.

Its called the "Rural Wireless Community VISION Program. Its purpose is to bring experts from both agencies into rural communities selected as models to help provide technical, financial and other assistance in launching wireless broadband services in those areas.

All of this adds up to a lot of competition for B-P-L from the day it gets going.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

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As we go to air, it is unclear whether either of these actions are efforts to promote multiple types of broadband, or, possibly a no confidence vote in the long-term potential of B-P-L.

More information on the program is available online at http://wireless.fcc.gov/outreach/ruralvision/index.html. (CQ)

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RESTRUTURING: NEW UK INTERNET LINKING RULES

Across the Atlantic, some new procedures have been announced by United Kingdom radio regulator Ofcom. This, for the issuing Internet-linking Notices of Variation for U-K hams. Jeramy Boot, G4NJH, is in Nottingham with more.

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Following a period of consultation, the following new procedures have been agreed between Ofcom and the RSGB. All current Internet linking NoVs will expire on 31st December 2004. Existing NoV-holders and new applicants will be able to apply for new NoVs from 1st October. The three-month period between 1st October and 31st December will allow for the continuity of the present network to be maintained.

If you currently hold an Internet linking NoV and you wish to

continue providing an Internet gateway beyond 31st December now is the time to apply for your new NoV. If you do not apply for a new NoV, the service you currently provide to the amateur radio community must cease on 31st December.

The method of application is totally web-based, and further details and a series of 'FAQs' can also be found on the RSGB website.

Jeramy Boot, G4NJH

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Here in the U-S-A we take Voice over I P interconnects for granted. In most other nations hams are required to get special permission to connect their stations to the Internet. (GB2RS)

**

Break 1

Its time for you to identify four station. Linda Reader, N7HVF, if you please:

"From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world, including the W7FP repeater serving Salt Lake City, Utah."

(5 sec pause here)

**

RESCUE RADIO: HAMS SUB FOR PHONES IN SOCAL HOSPITAL OUTAGE

Its ham radio to the rescue once again. This, when a construction accident takes out telephones, faxes, Internet and all other outside wireline communications at a southern California hospital. Amateur Radio Newsline's Joe Moell K0OV has the details.

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Imagine that you're a nurse in the Intensive Care Unit of a

hospital. You need to contact a doctor at his home or office, but you can't get an outside line on the phone at your nurses' station. That's what happened on October 6 at Tustin Hospital Medical Center in southern California. At a construction site next to the hospital, earthmoving equipment dug up 50 feet of telephone trunk lines, severing a 400-pair cable and damaging a 200-pair cable.

Following its previously-drilled procedures, the hospital's Director of Safety contacted the Hospital Disaster Support Communications System -- HDSCS -- an ARES group dedicated to the support of medical facilities in Orange County. In 30 minutes, the first ham had gotten through rush-hour traffic and arrived at the hospital to set up a communications link to the outside.

As more hams arrived, they deployed to the emergency Command Post, switchboard, Medical/Surgical unit, Pediatric unit, Intensive Care Unit, and the new Emergency Department. Meanwhile, the group's leader, April Moell WA6OPS, and two other base station operators prepared to make and receive phone calls in behalf of the THMC. Message traffic began to flow immediately after the operators got on station, as hospital staff members re-established links with their patients' physicians on the outside.

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WA6OPS: "Go ahead, W6KOS."

"Please advise ICU, I got the service, it was a message machine. I put a message on that machine to call the number that you gave. I also gave it my number. If there's any other way they want us to try to get hold of him, we'll do it. Please advise them that we have called."

W6KOS: "Will do, W6KOS."

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When phone company workers stated that repairs would take at least six hours, HDSCS began calling more members to provide relief to the first responders. By 9:30 AM the next morning, when the last telephone pair was spliced and the outage was declared to be over, four shifts of HDSCS operators had worked within the facility. Twenty-four hams participated in all.

This was the 85th time that HDSCS has activated to provide support when telephones failed or overloaded at hospitals, for reasons ranging from equipment failure, to cut cables, to natural disasters

such as earthquakes, floods, and wildfires. It was the fifth activation so far in 2004. Each of the 80 members has his or her own Go-Kit, ready to take to any of the 34 supported hospitals to establish communications.

For more information on HDSCS -- and how hams in your community can organize to provide rapid response like this to hospitals -- point your Web browser to www.hdscs.org. Those are the initials for Hospital Disaster Support Communications System, followed by dot-org. From southern California, this is Joe Moell K-zero-Oscar-Victor, for Amateur Radio Newsline.

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Among the hams responding to this emergency were Newsline's 2003 Young Ham of the Year Jay Thompson W6JAY and his father Richard, WA6NOL. They, and all of the others who volunteered are another good example of Amateur Radio ready and able to step in when commercial lines of communications fail. (K0OV, ARNewsline™)

**

RESCUE RADIO: STUDY SAYS THAT CELL PHONES IN HOSPITALS MAY PRESENT RELATIVELY FEW RFI HAZARDS

Cellular telephones may not pose the big risk in hospitals that was once thought. At least according to Dr. John Halamka who is the chief medical information officer for the Harvard Medical School.

According to Dr. Halamka, three years ago the school held a conference on the subject of hospital versus cellular telephone RFI issue. Attending were some 100 engineers, the Food and Drug Administration, wireless providers and businesses.

At that meeting the group determined that cell phones only pose a threat if they are within three feet of medical equipment. So, says Dr. Halamka, the current widespread hospital restrictions on cell phone use are probably greatly overblown except at locations where phones may audibly disturb patients or staff.

So will this report ease restrictions against cellular phone use in hospitals? Probably not because no study can cover all eventualities and most hospital administrators feel it better to safe than sorry.

The full story is on-line at http://www.usatoday.com/tech/wireless/phones/2004-09-27-hospital-

phone-use_x.htm (CGC)

**

COORDINATION: SERA RESCINDS MANDATORY TONE POLICY

According to the Repeater Users Internet remailer, the South Eastern Repeater Association has rescinded a controversial mandatory tone access policy enacted last summer. One that would have required tone receive and transmit on all new FM voice repeaters now, and on existing repeaters by July of 2006. Postings to the remailer say that numerous complaints lead the SERA Board of Directors to repeal the policy at a meeting on October 4th. (Repeater Owners / Users Remaler)

**

ENFORCEMENT: FLAT SCREEN TV FOOLS RESCUE SATELLITE

An Oregon resident has been told he could face a $10,000 fine if he continues to use a new flat screen television set that is radiating a high power spur on the International Distress Channel of 121.5 MHz. This, after an October 2nd visit by a contingent of local police, civil air patrol and search and rescue personnel.

Chris van Rossmann of Corvallis owns the year old Toshiba flat screen T-V. Unknown to him, the set was radiating a signal that was strong enough to be heard by the orbiting Sarsat Cospas search and rescue
satellite. From there it was relayed the Air Force Rescue Center at Langley Air Base in Virginia which activated a search.

Van Rossmann found out about his broken television set when the search team knocked on his door. They were expecting to find a malfunctioning portable emergency transponder like those carried on boats and in light plans. Instead their T-hunting gear lead them to the college students T-V.

This is not the first time that an errant piece of ground based electronic gear has fooled the Sarsat Cospas rescue satellite. About 12 years ago the crystal oscillator in an inadequately shielded broadcast graphics machine brought a similar response to a production studio in New Jersey. In that case the Ampex Digital Optics unit was quickly retired from service.

Van Rossmann is faring a lot better. Toshiba has contacted him and

offered to provide him with a replacement set, for free of charge. (Published reports)

**

ENFORCEMENT: SANTA CRUZ PIRATE SHUT DOWN BY FORCE

Government agents have shut down another unlicensed broadcaster. On September 29th agents of the U.S. Marshals Service served a warrant on a Santa Cruz, California pirate radio station.

The target was Free Radio Santa Cruz, an FM station running 35 to 40 watts of power while offering round-the-clock music, activism and other local programming.

The marshals, along with agents of the Federal Communications Commission, dismantled the station's equipment and carted it away in a pickup truck. The warrant bore no names, listing as defendant any and all radio station equipment used in connection with the transmissions.

Those running the station face the possibility of further punitive action in the form of hefty fines and even time in jail. The search warrant gave the station operators 20 days to respond in court. The value of the equipment seized is estimated at $5,000, including the antenna agents removed from the roof.

More on this raid is on-line at www.mercurynews.com/mld/mercurynews/news/9797653.htm?1c (CGC, Mercury News)

**

COMMUNICATIONS LAW: TELEMARKETERS LOOSE IN SUPREME COURT

The Supreme Court has turned away a challenge to the federal do-not-call registry. The ruling came on Monday, October 4th and upholds the lower court ruling that says the list does not in any way violate telemarketers rights to freedom of speech.

Under a federal law passed in 2003, telemarketers face fines of up to $11,000 if they call people who sign up for the registry unless they have recently done business with them. Charities, those conducting polls and callers on behalf of politicians are exempt. (Published reports)

**

ALERT: POSSIBLE E-MAIL SCAM TARGETING HAM RADIO

If you get an e-mail with a subject line saying Golden Trust telling you that you have won a lot of money, and its from hamemergency at some unknown dot com, toss it. It may well be another Internet scam targeted to Amateur radio.

Ray Shatzel, W2XC, says over the Internet that he received such a solicitation recently. It told him that he had won $1,500,000 in the Lottery Winners International program held on the July 7th of this year.

Curious, Ray checked it out on the fraud watch international dot com website. There he found out that it is nothing more than another of the many e-mail scams aimed at getting people like you and me to part with personally identifiable information that could be used in an identity theft scheme. They will also ask for payment of taxes, legal fees or other charges before the winnings can be released. People who fall for it loose what they send in and maybe a lot more.

Our thanks to W2XC for posting this warning to the Internet .
He's
one of the good guys who took the time to find out and to pass along the information so that nobody in the ham radio community gets stung. (via Internet)

**

ON THE AIR: HAM RADIO TO CELEBRATE DEDICATION OF CLINTON MUSEUM

Turning to the ham radio happenings, word that special event station W5C will take to the airwaves on November 13th and 14th from the Historic Arkansas Museum. This, to help celebrate the dedication of the William Jefferson Clinton Presidential Library. Operation will be on 40 through 15 meters using various modes including PSK 31. Those making contact will receive a special certificate in exchange for their Q-S-L card sent to Dennis Schaefer, W5RZ, 181 Schaefer Drive, Dover, Arkansas, 72837. (Via E-mail)

**

THE SOCIAL SCENE: GREAT LAKES SUPER SWAP IN MICHIGAN IN NOVEMBER

And the combined 2004 Great Lakes Super Swap and ARRL Michigan State Convention takes place November 5th and 6th at the Harbor Lights School in Holland, Michigan. This years special guest is League President Jim Haynie, W5JBP, who will speak both at the ARRL forum and at the Saturday night banquet. For more information on this fun event take your web browser over to www.hollandarc.org and click on the words swap info. (Via E-mail)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United
States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

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HAM RADIO HELP: ARRL JOINS HOLIDAY TOY DRIVE

The ARRL is joining with the United Way in a project to brighten the lives of kids who lost everything in the recent hurricanes that ravaged Florida.

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Thats right Don. The ARRL is joing forces with a special United Way drive aimed at brightening the coming holidays for kids in central Florida who might not otherwise be able to enjoy the season. They are the youngest victims of the fall hurricanes that ravaged the area. Suddenly living out of a tent or car.

To help these kids, hams nationwide are being asked to purchase a new child's toy and send it to this special United Way campaign. Be sure to include a QSL card or 3x5 file card showing your name and callsign.

Send your donated toy before Thanksgiving to Ham Radio in care of the

The United Way White Dove Project at 50 Kindred Street, Suite 207 in Stuart, Florida. The zipcode is 34994.

As we have often said, children are the future of the nation and the world. They, more than any others, really deserve your support.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF.

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Again, between now and Thanksgiving, purchase a new child's toy. Send it with a QSL card or 3x5 showing your callsign to Ham Radio, in care of The United Way White Dove Project, 50 Kindred Street, Suite 207, Stuart, FL 34994. We will and we hope that you will too. (ARRL)

**

ON THE AIR: HZ1AB PERMANENTLY QRT

The Dhahran Amateur Radio Club has been permanently shut down. This, as the result of telecommunications regulatory changes in Saudi Arabia.

For close to sixty years the Dhahran Amateur Radio Club operated station HZ1AB. Club Secretary Thomas Carlsson, AB5CQ reported that due to revisions made in Amateur Service licensing requirements by the Saudi Arabia Communications and Information Technology Commission, operations were no longer possible.

The HZ1AB callsign has already been reissued to Bandar Salah AL-Harby. Carlsson says that the clubs QSL manager, Leo Fry, K8PYD still has all the logs and will process any outstanding QSL card requests. (WIA News)

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CONTESTS: RCA QSO PARTY - NOVEMBER 6TH

>From the contest calendar, word that Saturday, November 6th is the date for this years Radio Club of America 20 and 75 meter QSO Party. The event will start at 4 p.m. Eastern Standard Time on 14 point 280 MHz upper sideband and at 8 p.m. E-S-T move to 3 point 910 lower sideband. Both frequencies are plus or minus any Q-R-M. During the

party, W2RCA which is the club station of the Radio Club of America will also be activated. Logs and suggestions for this contest go to W2ZE by e-mail to mrraide@cbs.com (W2ZM)

**

CONTESTS: FISTS COAST TO COAST ON NOVEMBER 24

The 4th annual Fists Coast to Coast contest takes place October 24th from 0000 U-T-C to 2400 UTC. This is a CW only event with the object being to contact as many Fist affiliated clubs on as many bands as you can. The contest is sponsored by Northwest Fists club K7FFF. Full rules and certificate information may be found at //www.tomochka.com/k7fff/fnw_c2c04.html (FISTS)

**

DX

In D-X, OH2BH and OH2PM will be in Albania from October 26th to the 31 finalizing Project Goodwill Albania and related activities with the hope of bringing a number of new students on the air. Both operators will be on the air from Albania during the C-Q World Wide SSB contest on October 30th and 31st signing portable Zed A. During this trip the two will be accompanied by representatives of the I-A-R-U folks assisting Albanian Telecom in variety of regulatory issues. QSL cards for contacts made go to the operators home call address. (N4GN)

Also on for the CQ Word Wide SSB contest will be eight operators from the North-East calling themselves Team Antigua. will again activate as V-26-B from Antigua and Barbuda on October 30th and 31st and plan to enter the multi-operator two-transmitter category. Operation will be on all bands with a possibility of some satellite contacts on AO-7 and AO-51 More information is on line at http://n3oc.dyndns.org/v26b/ (KA2AEV)

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WITH THE YOUNG: THE NORTH AMERICAN YOUTH NET

The North American Youth Net meets every Friday at 23: 00 UTC on 14.329 MHz. According to Steve Anness, KD5OWO, the purpose of this on the air gathering is to get young hams together for technical discussions or just a chance to meet and get to know one another. If

you are interested in becoming a Net Control for this gathering e-mail Steve at kd5owo@arrl.net. You can also visit the groups website at http://groups.yahoo.com/group/nayn (KD5OWO)

**

THAT FINAL ITEM: HAMVENTION 2004 THROUGH TEENAGE EYES

And finally this week, its the Dayton Hamvention as you have never seen it before. This is because its through the eyes of the young. And while we can't show you the pictures here, we can bring you some
of the sound:

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Sara K3OOO: "So you are probably thinking, OK I'm into this, but how
do I get my license? Well, there lots of stuff. There's study guides. Real cheap. Real easy. You go home. You study for a while and do take your test and you pass and you get your license. No Internet. No wires required."

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That's 15 year old Sara Saeger, K3OOO, who, along with 18 year old
Trevor Conroy, W7TDC, are hosts of a new video about Hamvention 2004 produced for Icom America by of John Webb, W7NWH. But this show is not a commercial for Icom brand ham radio gear. In fact, its as if John borrowed a bit from Cole Porter's grand old Broadway musical.
The one whose title is "Anything Goes":

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Trevor W7TDC: "Right over here we have DX Engineering, a manufacturer of components that actually allows you to build your own antenna. Antennas can be big. Antennas can be small. But theres one thing thats true about all of them. They all get your signal in the air."

--

Thats the other half of the anchor team and if Trevor sounds excited

about building antennas it's because he knows just how much fun it
can be. And while Sara and Trevor are our guides, they are not only young people in the new Icom show. Meet Rebekah Dorff, WG4Y, of Alabaster, Alabama:

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Rebekah W4GY: "Ive been a ham since I was 8. I got my Tech when I
was 8, my Extra when I was 9 and then I got my DXCC when I was 10 and then I got appointed as the Assistant Section Manager this year."

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The bottom line. This is a new world of Amateur Radio and a lot of young people are getting excited about it once they find out just how much fun it can be. Thats because it gets you away from a computer screen and gives you new friends all over the world:

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Unidentified youngster: "Hopefully I will get my license today and I
will finally be able to talk to Russia."

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If you are one of those who really care about the future of ham radio and want to see what it looks like through Sara and Trevor eyes, then go to www.icomamerica.com/amateur/video and have a look for yourself. Better yet, have your kids -- or your friends kids watch the show with you. Once you do, we guarantee that none of you will ever view ham radio the same way -- ever again.

Our thanks to Ray Novak, N9JA, and the fine folks at Icom America for funding this important new ham radio video and making it available on-line. Again that URL is www.icomamerica.com/amateur/video on the World Wide Web. (ARNewsline™)

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline @arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

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Wilbanks, AE5DW, saying 73 and we thank you for listening." Amateur Radio Newsline(tm) is Copyright 2004. All rights reserved.